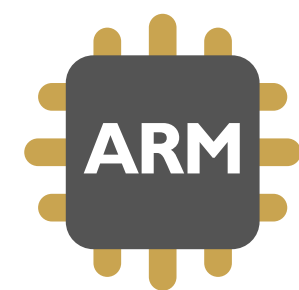


# Model TCP/IP



# Mikrokontroler

## Mikroprocesor



CORE



FLASH



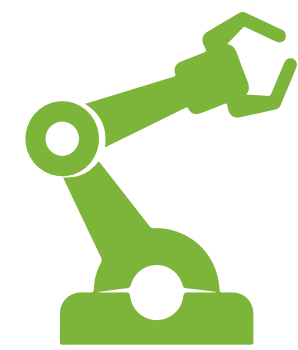
RAM



Programowanie  
Debugowanie



Peryferia



Peryferia  
Automatyki

RO

TO

XO

DI

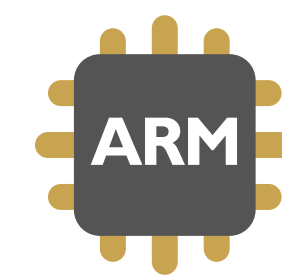
AI

AO

RS485



STM32G0B1  
Mikrokontroler



CORE



Pery-  
feria



ST-Link Programator  
Debugger



Make  
file

ARM GCC

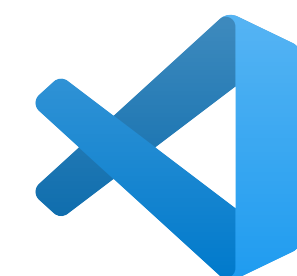


Konsola  
Bash

OpenOCD



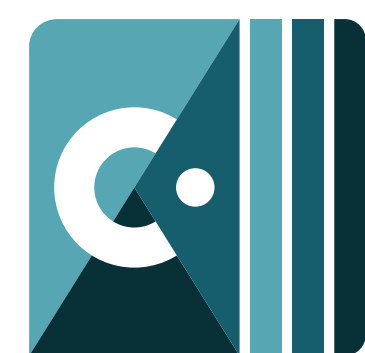
C/C++  
Ext.



VSCode IDE



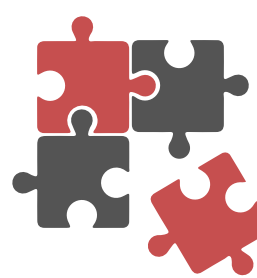
Cortex  
Debug



OpenCPLC



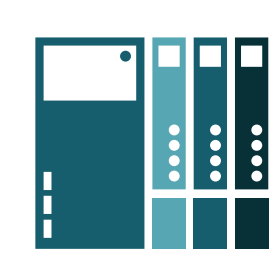
C  
Library



APP  
main.c



HAL Drivers



PLC  
Library



CMSIS  
Files



ST  
Files

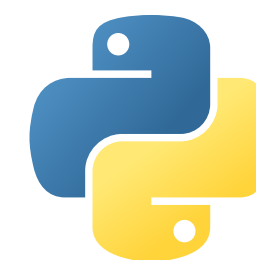
OR



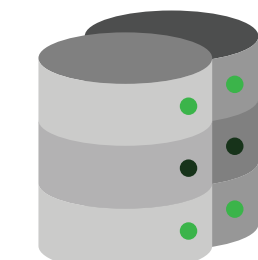
Środowisko  
PLC



HAL  
Drivers



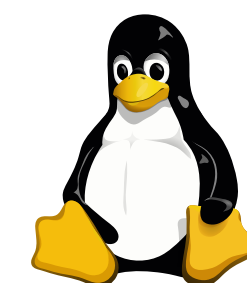
Python



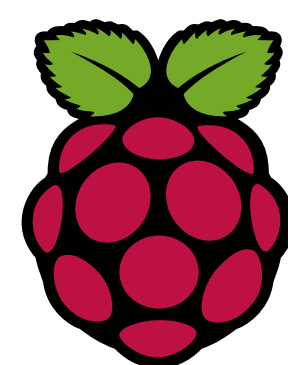
MySQL  
MariaDB



**Raspbian**  
System operacyjny



Linux kernel  
Jądro systemu



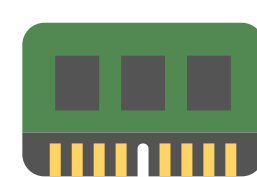
Mikrokomputer **Raspberry PI**



Mikroprocesor **BCM2712**



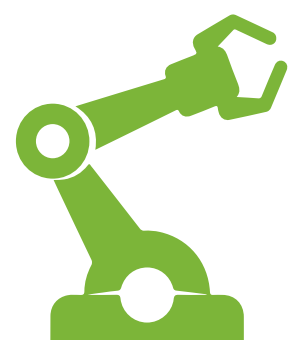
SD  
Card



Ext.  
RAM



Interfejsy  
Sieciowe i embedded



Peryferia  
Automatyki

RO

TO

XO

DI

AI

AO

RS485